# LR Assistant's Unit Installation

## Parts Bag Contents

***Operatory w/o Cuspidor***

*T-Fitting w/tubing ..... 1*
*Screw ..... 2*
*Lockwasher ..... 2*
*Cable Tie ..... 2*
*Cap Sleeve (red) ..... 1*
*Toggle Cap (black)..... 1*
*Water Q.D. Coupling ... 1*

***Operatory w/Cuspidor***

*T-Fitting w/tubing ..... 1*
*Shoulder Bolt..... 1*
*Thrust Bearing..... 1*
*Nylon Washer ..... 2*
*Pivot Cover ..... 1*
*Cable Tie ..... 2*
*Cap Sleeve (red) ..... 1*
*Toggle Cap (black)..... 1*
*Water Q.D. Coupling ... 1*

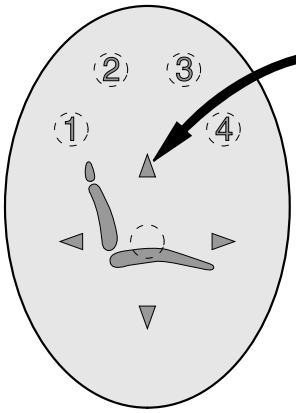
## Special Tools

*Level*

## *Attention!*

***If the operatory includes a cuspidor, the cuspidor must be installed before mounting the Assistant's Unit.***

CE 0088

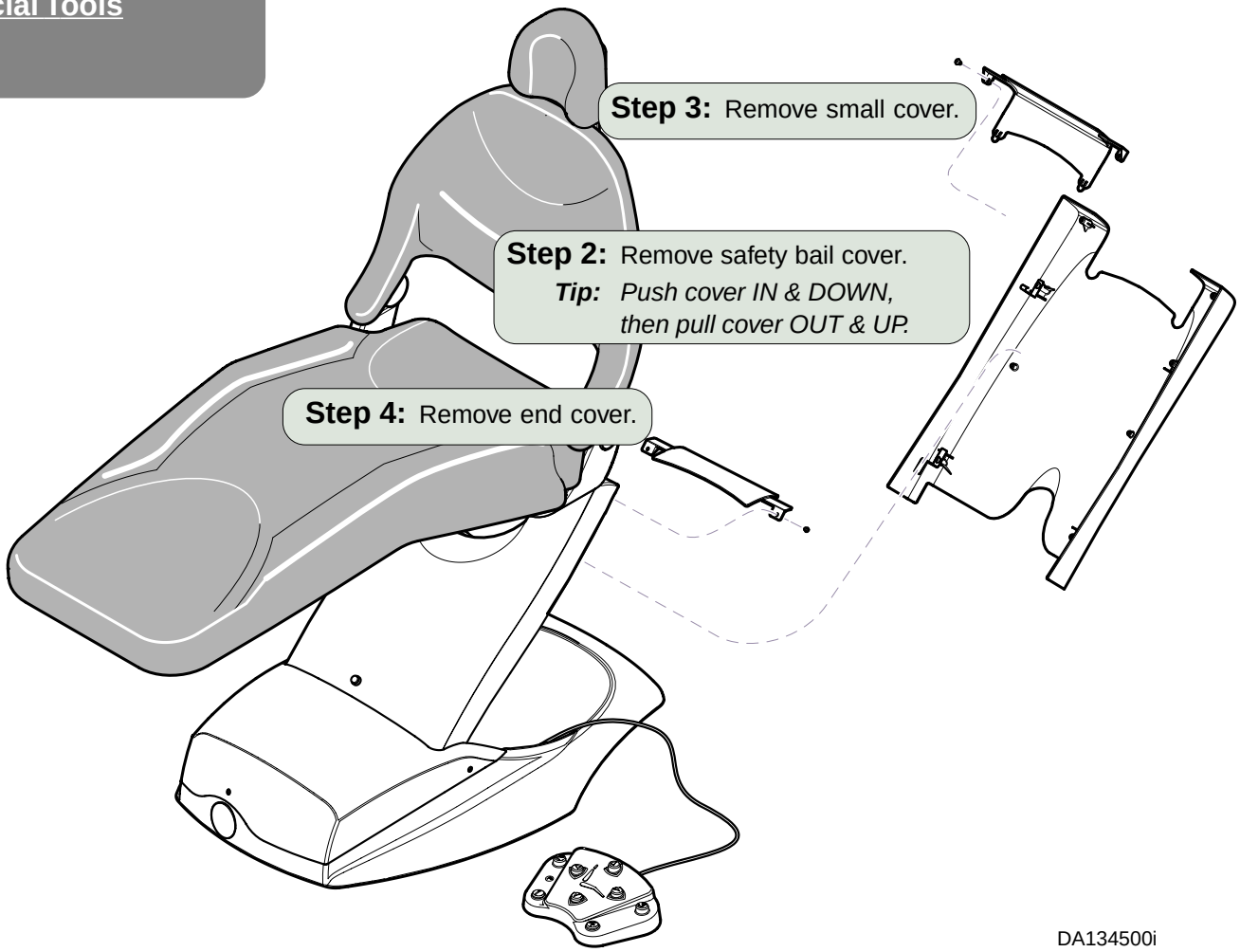



**Step 1:** Raise chair all the way up; then unplug the chair.

**Step 3:** Remove small cover.

**Step 2:** Remove safety bail cover.
***Tip:*** *Push cover IN & DOWN, then pull cover OUT & UP.*

**Step 4:** Remove end cover.



DA134500i

© Midmark Corporation 2003

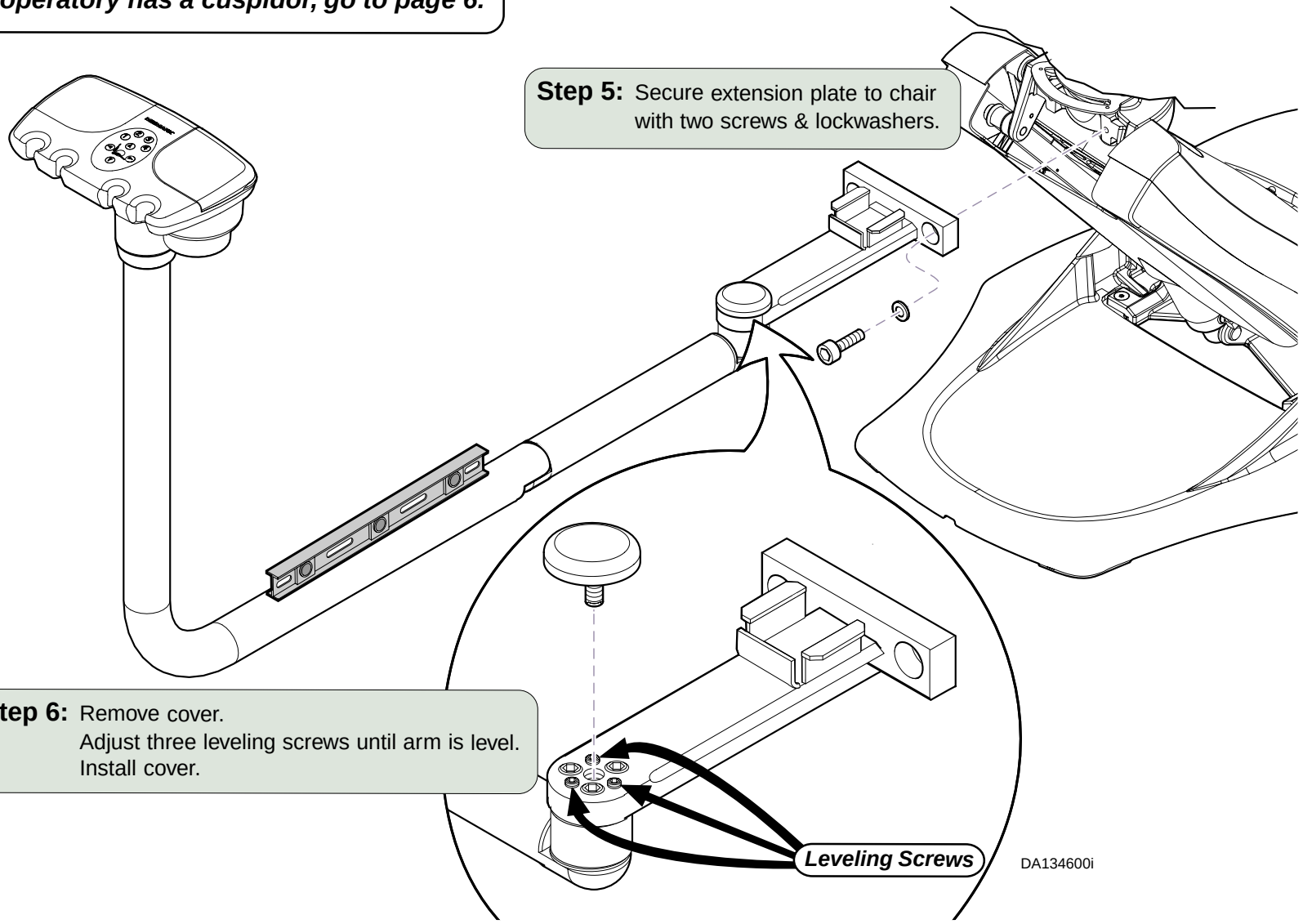


## ***Equipment Alert***

***Have an assistant secure the instrument arm at all pivot points to prevent damage to equipment.***

***If the operatory has a cuspidor, go to page 6.***

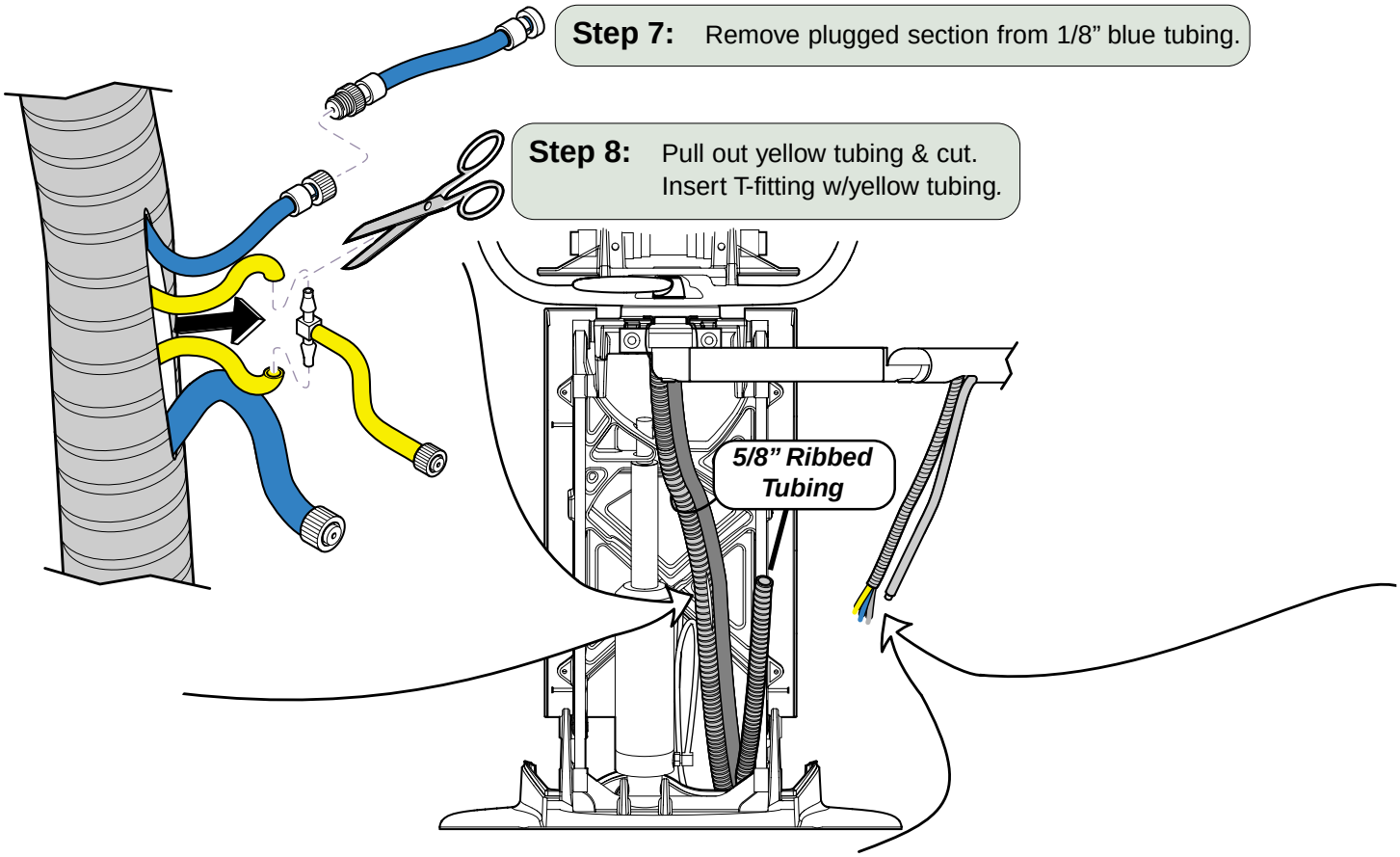
**Step 5:** Secure extension plate to chair with two screws & lockwashers.




**Step 6:** Remove cover.
Adjust three leveling screws until arm is level.
Install cover.

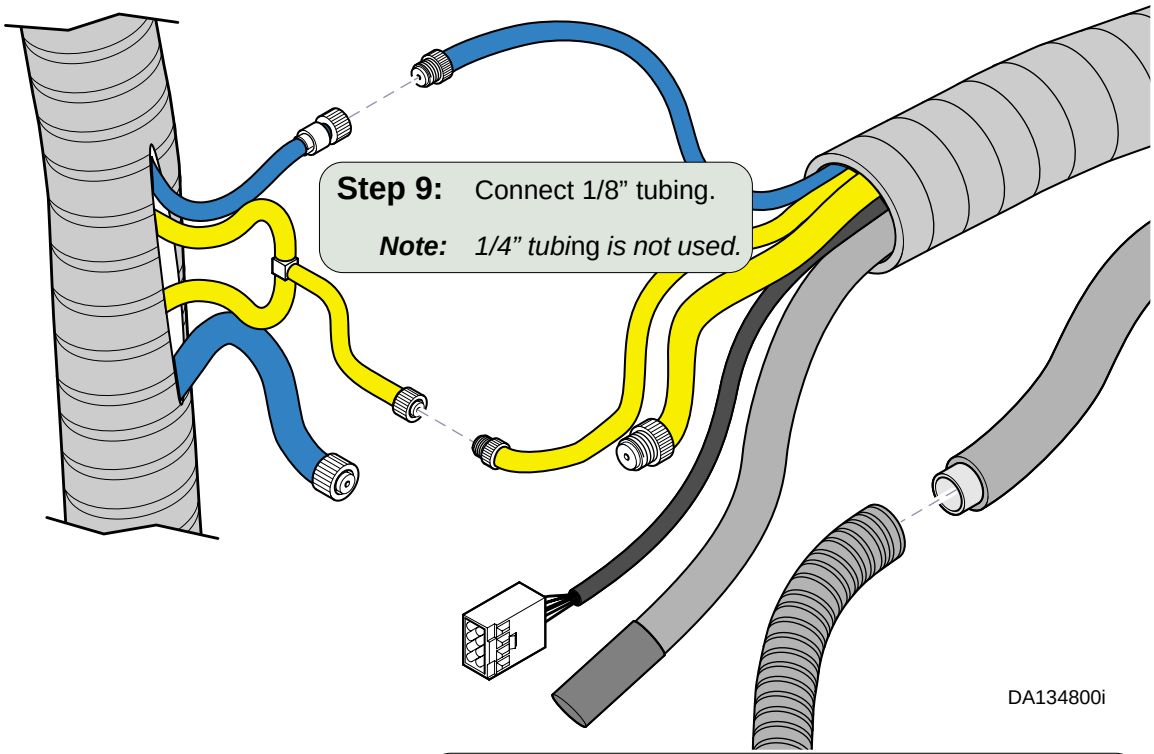
**Step 7:** Remove plugged section from 1/8" blue tubing.

**Step 8:** Pull out yellow tubing & cut.
Insert T-fitting w/yellow tubing.




**Step 9:** Connect 1/8" tubing.

***Note:*** *1/4" tubing is not used.*




**Step 10:** Connect 5/8" grey tubing from Asst's Unit to 5/8" **ribbed** tubing from umbilical.

*In J-Box (not shown):* Connect 5/8" **ribbed** tubing from umbilical to central vacuum unit.

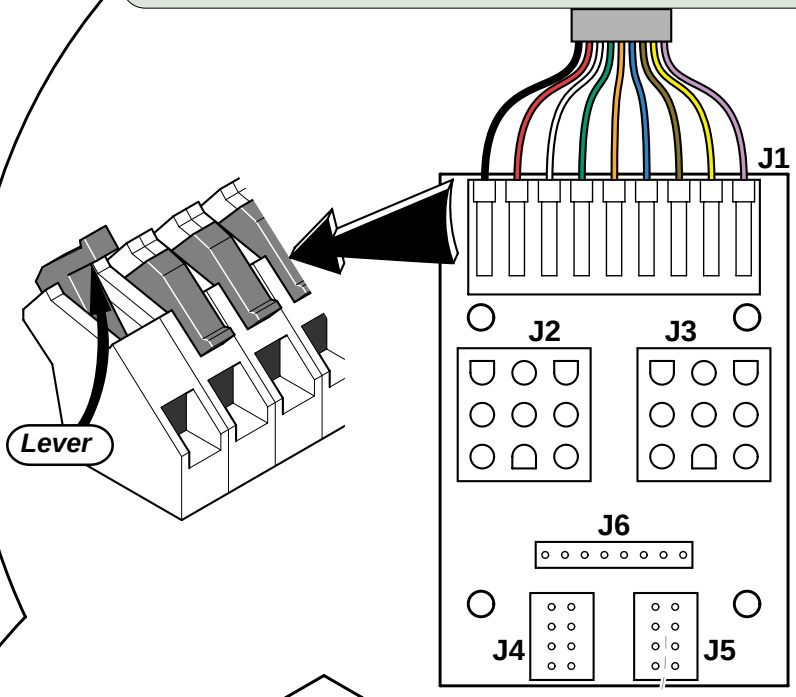
***Note:*** *5/8" **smooth** tubing is for cuspidor drain.*

© Midmark Corporation 2003 

***Accessories***

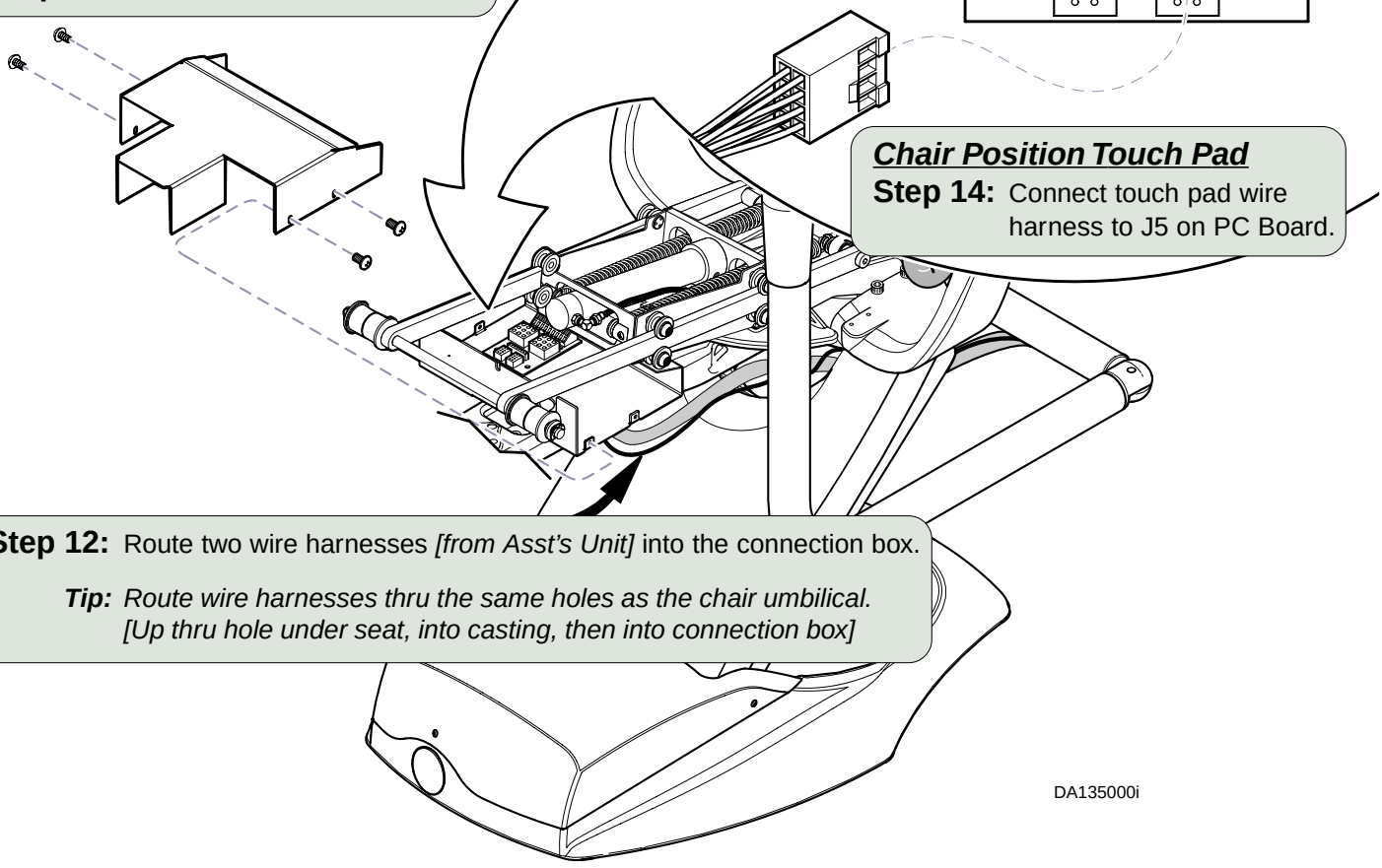
**Step 13:** Connect nine wires from accessory wire harness to J1 terminals on PC Board as shown.

***Tip:*** *Lift lever, then insert wire.*
*Push lever down to lock wire in place.*




**Step 15:** Replace connection box cover.

**Step 11:** Remove connection box cover.



***Chair Position Touch Pad***

**Step 14:** Connect touch pad wire harness to J5 on PC Board.

**Step 12:** Route two wire harnesses *[from Asst's Unit]* into the connection box.

***Tip:*** *Route wire harnesses thru the same holes as the chair umbilical.*
*[Up thru hole under seat, into casting, then into connection box]*

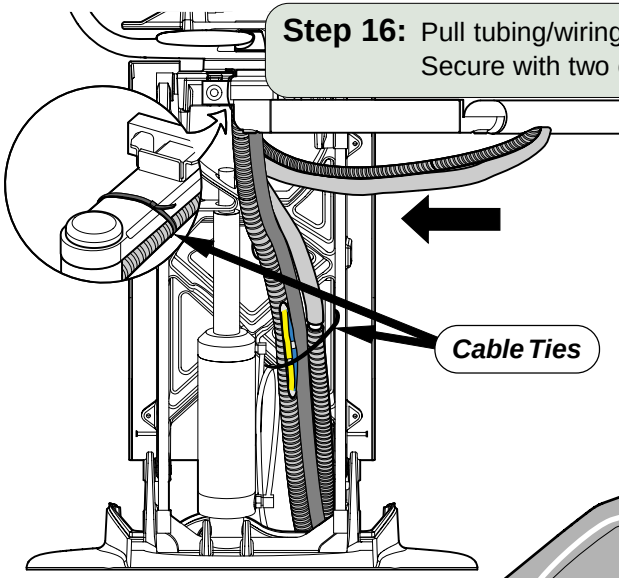
DA135000i

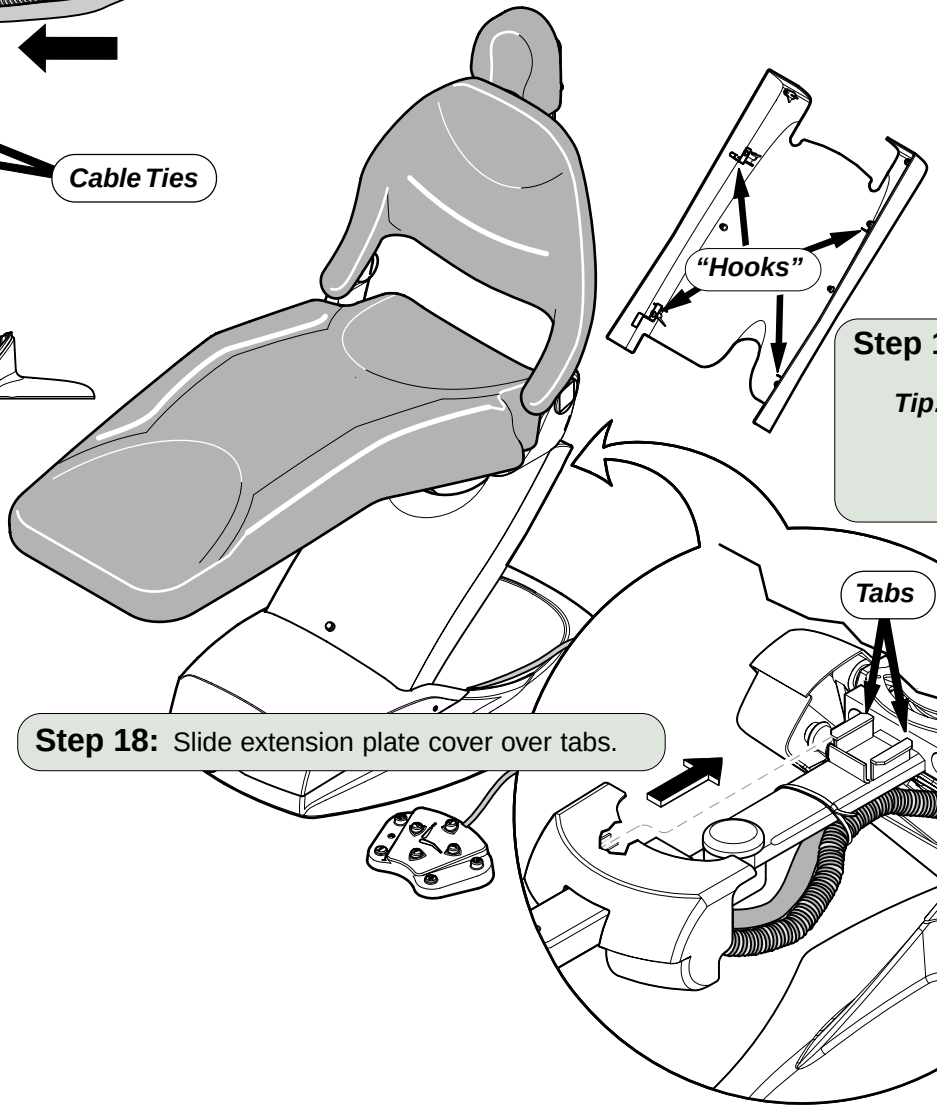
© Midmark Corporation 2003





**Step 16:** Pull tubing/wiring toward extension plate to minimize slack. Secure with two cable ties .




**Step 17:** Install safety bail cover.

***Tip:*** *Position bottom "hooks" on lower mounting pins. Align top "hooks" with upper mounting pins. Push cover Down, In, then pull Upward until upper "hooks" engage.*

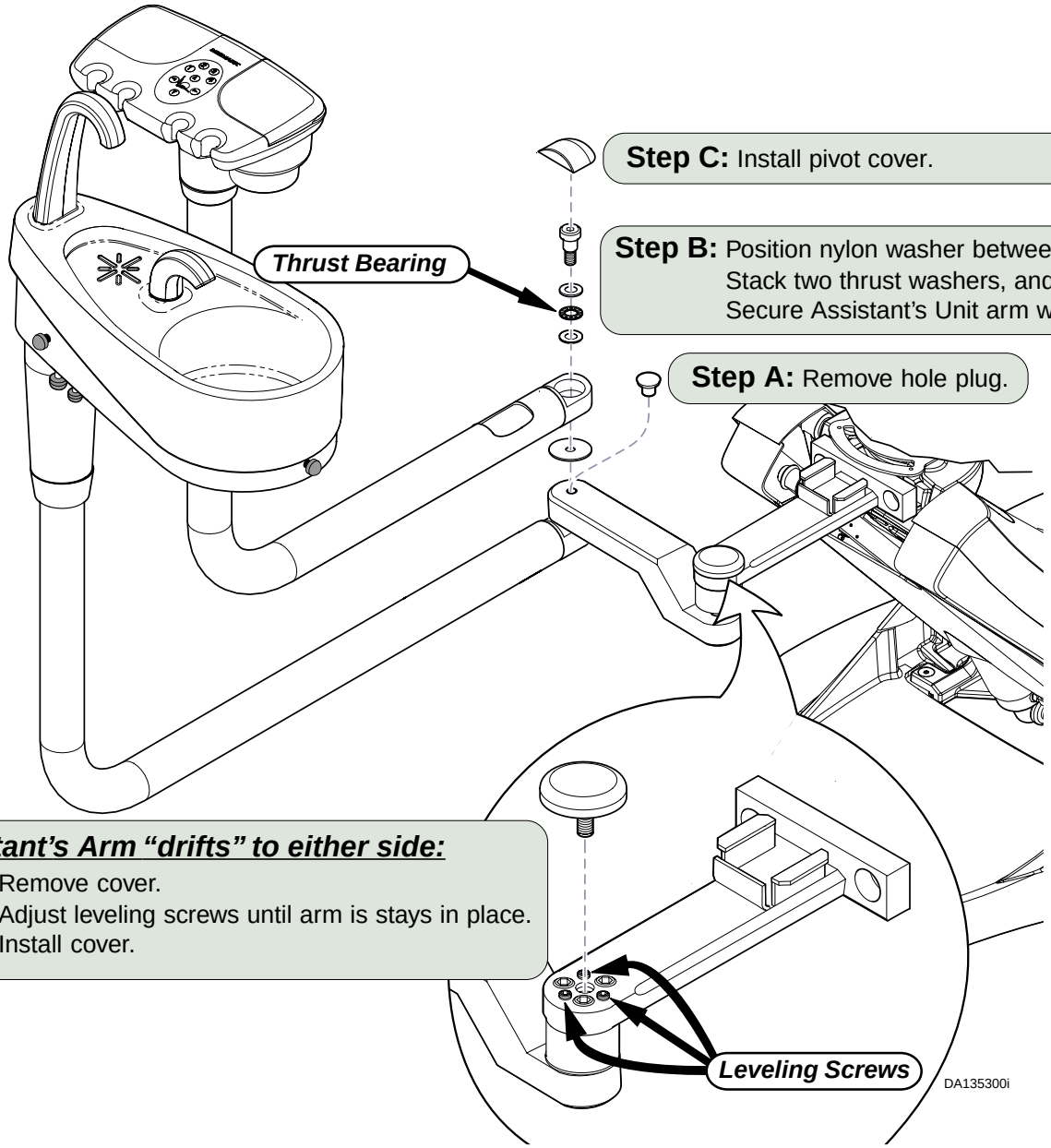
**Step 18:** Slide extension plate cover over tabs.

DA135200i

© Midmark Corporation 2003



***This page applies <u>only</u> to operatories with a cuspidor.***
***Go to page 3 after completing steps A thru D.***




**Step C:** Install pivot cover.

**Step B:** Position nylon washer between arms as shown.
Stack two thrust washers, and thrust bearing as shown.
Secure Assistant's Unit arm with bolt.

**Step A:** Remove hole plug.

***<u>If Assistant's Arm "drifts" to either side:</u>***

**Step D:** Remove cover.
Adjust leveling screws until arm is stays in place.
Install cover.

Midmark Corporation
60 Vista Drive
P.O. Box 286
Versailles, OH 45380-0286
937-526-3662
Fax 937-526-5542
www.midmark.com

MIDMARK®
Because we care.